

ABSTRACT OF THE DISCLOSURE

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A multichannel-type radio frequency modulation circuit for a set-top box, comprising a switch turned on/off in response to a switching voltage for passing/blocking a radio frequency signal from a radio frequency input terminal to a radio frequency output terminal, a modulation part enabled in response to operating voltages for modulating input audio signals and video signals into television signals at a plurality of channels, respectively, and a mixer for mixing the television signals modulated by the modulation part respectively with the radio frequency signal passed by the switch and outputting the resulting signals respectively to connected televisions via the radio frequency output terminal. The multichannel-type radio frequency modulation circuit is configured in a multichannel modulation manner in the set-top box such that a plurality of televisions receive broadcasting signals at different channels via the radio frequency modulation circuit.